BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works: Construction of Dhyana Mandira at JP Park Phase II in Ward No-17

Modified Estimate Abstract

Sl No	Description	BOQ	Executed Qty	Rate	Unit	Amount
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and nealty dressed as per specifications. Specification No.KBS 2.1(a)/2.3.1. (P.No.5, I.No.2.1 of PW,P&IWTD S.R 2016-17)				Cum	
	Qty upto 125%		181.25	190.00		34438
	Qty Above 125%		1322.37	189.74		250907
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, (P.No.5, I.No.2.4 of PW,P&IWTD S.R 2016-17)				Cum	
	Qty upto 125%		356.63	400.00		142652
	Qty Above 125%		679.63	342.01		232440
3	KSRRB M100-1 & M100-4.1. Conveying by Loading and unloading of moorum. Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, including time for haulage and return trip complete as per specifications. MORTH-100/Chapter 1. Case-I : Surface Road. (Page No.134, Iteam No-17.1 & 17.4 & note of P.No.148 of PW,P&IWTD S.R 2016-17)				Cum	
	Qty upto 125%		540.00	110.00		59400
	Qty Above 125%		801.98	121.46		97408

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	Description	BOQ	Executed Qty	Rate	Unit	Amount
4	KSRB 3.2 : Providing and injecting chemical emulsion for Pre-constructional anti-termite treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulisifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as specifications.(Plinth area of building at ground floor only shall be measured) specification. No. KBS : 3.2.6 / 3.2.7 , / (P.No.9, I.No.3.2 of PW,P&IWTD S.R 2016-17)				Sqm	
	Qty upto 125%		628.73	124.00		77963
5	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix M-10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates at 0.892cum and fine aggregates at 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)	153.50	130.83	6098.00	Cum	797801
6	KSRB-4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/ (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)	17.70	9.89	6576.00	Cum	65037
7	KSRB 4.2.1 : Providing and laying in position plain cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @0.47cum with super plasticisers @ 3lts conforming to is 9103-1999 reffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached plasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, (P.No.13, I.No 4.10 of PW, P&IWTD S.R 2016-17)				Cum	
	Qty upto 125%		232.38	7518.00		1747033
	Qty Above 125%		65.82	7518.20		494848

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	Description	BOQ	Executed Qty	Rate	Unit	Amount
8	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.15, I.No.4.28 of PW,P&IWTD SR 2016-17)				Sqm	
	Qty upto 125%		333.88	279.00		93153
	Qty Above 125%		25.68	279.17		7169
9	KSRB 4-6.3 : - Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200mm including cost of all materials, labour complete as per specification KSRB (P.No.15, I.No.4.30 of PW, P&IWTD SR 2016-17)	9.90	0.00	378.00	Sqm	0
10	KSRB - 4.6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.15, I.No.4.31 of PW, P&IWTD SR 2016-17)				Sqm	
	Qty upto 125%		49.50	354.00		17523
	Qty Above 125%		71.20	354.10		25212
11	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 (P.No.15, I.No.4.34 of PW, P&IWTD SR 2016-17)				Sqm	
	Qty upto 125%		203.60	309.00		62912
12	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC, cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregates @0.391 cum, with superplastisiser @ 0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 (P.No.14, I.No.4.20 of PW,P&IWTD SR 2016-17)	41.00	34.16	621.00	Cum	21213
13	KSRB 4-6.10: Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2. (including additional lift chrges) (P.No.16, I.No.4.37 of PW,P&IWTD SR 2016-17)	41.00	34.16	326.00	Sqm	11136

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	Description	BOQ	Executed Qty	Rate	Unit	Amount
14	KSRB 4-2. 12 :Extra for providing throating or drip moulding to R.C.C chajja with plastering (labour charges only) as per specifications. (P.No.14, I.No.4.21 of PW,P&IWTD SR 2016-17)	68.00	29.60	24.00	Mtr	710
15	KSRB - 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.No.17, I.No.4.46.2 of PW, P&IWTD SR 2016-17)				Tonne	
	Qty upto 125%		14.50	73245.00		1062053
	Qty Above 125%		5.47	85412.15		467204
16	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5m. Inluding cost of all labour complete as per speicifications. Specification No.KBS 2.9(P.No.6, I.No.2.10 of PW,P&IWTD SR 2016-17)				Cum	
	Qty upto 125%		286.25	153.00		43796
	Qty Above 125%		831.27	153.48		127583
17	KSRB 5-14: Providing and constructing Precast concrete solid blocks with compressive strenght not less than 35Kg/sqm with cement mortar 1:4 masonry (quion, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms confirming to IS:2185/1965 in superstructure including cost of materials, labour charges, scalffolding, curing etc., complete as per specifications. (P.No.25, I.No.5.27.1 of PW,P&IWTD SR 2016-17)	632.00	521.85	1132.00	Sqm	590734
18	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 (P.No.23, I.No.5.9 of PW, P&IWTD SR 2012-13)				Cum	
	Qty upto 125%		86.25	6048.00		521640
	Qty Above 125%		113.62	6048.64		687246
19	KSRB 15-3.9: Providing 18mm thick cement plaster in single coat with cement mortor 1:3, to brick masonry including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P.No.114, I.No.15.15 of PW,P&IWTD SR 2016-17)	1301.00	1183.80	295.00	Sqm	349221

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	Description	BOQ	Executed Qty	Rate	Unit	Amount
20	KSR 15.3.4 Providing 15m thick cement plaster in single coat with cement mortar 1:4,tobrick masonry including rounding off corners wherever reuired smooth rendering, Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. (P.No.112, I.No.15.13 of PW,P&IWTD SR 2016-17)	680.00	526.99	270.00	Sqm	142287
21	Providing and laying flooring using prepolished water cut/gang saw 19 mm thick Granite laid over bed of 20mm thick 1:4 and jointed with neat cement slurry mixed with pigment of mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete. using black granite/ Multy Red / Ruby Red/ Black / Hassan Green Granite of width not less than 900mm (P.No.107, I.No.14.47.2 of PW,P&IWTD SR 2016-17)	543.00	0.00	2781.00	Sqm	0
22	Providing vitrified tiles 60x60 cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification (P.No.107, I.No.14.45 of PW,P&IWTD SR 2016-17)	90.00	0.00	1344.00	Sqm	0
23	Providing and fixing 20mm thick gang saw water cut LAKARED granite for cladding in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints . Grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification. (P.No.109, I.No.14.60 of PW,P&IWTD SR 2016-17)	97.00	0.00	4465.00	Sqm	0
24	Providing Full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work,HOM of equipment etc., complete as per specification1 .(P.No.108, I.No.14.55 of PW,P&IWTD SR 2016-17)	40.00	0.00	288.00	Sqm	0
25	Providing Half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work,HOM of equipment etc., complete as per specification .(P.No.108, I.No.14.56 of PW,P&IWTD SR 2016-17)	100.00	0.00	191.00	Sqm	0
26	KSRB 9.4-1 : Providing teak wood frames of doors, windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (P.No.51, I.No.9.10. of PW,P&IWTD SR 2016-17)	0.15	0.00	138000.00	Cum	0

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	Description	BOQ	Executed Qty	Rate	Unit	Amount
27	KSR 9.4-1 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33. (P.No.51, I.No.9.11. of PW,P&IWTD SR 2016-17)	0.80	0.00	124302.00	Cum	0
28	Providing and fixing flush door shutter made out of solid core black board type, well seasoned chemically treated hard wood batterns and internal frame with minimum 45 mm wide wooden frame all-round door shutters covered with cross bonded wooden shttes (core veneer) hot pressed and fastened on both sides of the door using liqid phenol formaldehyde resin as per IS specification 2202 (Part-I) 1991. From manu 40mm thick both side teak (P.No.62, I.No.9.106.7 of PW,P&IWTD SR 2016-17)	5.80	0.00	4573.00	Each	0
29	Providing and fixing flush door shutter made out of solid core black board type, well seasoned chemically treated hard wood batterns and internal frame with minimum 45 mm wide wooden frame all-round door shutters covered with cross bonded wooden shttes (core veneer) hot pressed and fastened on both sides of the door using liqid phenol formaldehyde resin as per IS specification 2202 (Part-I) 1991. From manu 35mm thick one side teak and one side commercial (P.No.62, I.No.9.106.5. of PW,P&IWTD SR 2016-17)	21.70	0.00	3708.00	Sqm	0
30	Providing & fixing of glazed 2 Track-2 Panel Sliding Windows made out of multi Chamered uPVC section with TPV gaskets having isolated drainage and reinforced with Galvanized iron profiles through out the window .The outer frame having a overall size of 60x45 mm with reinforcement of 1mm thickness and sash with overall size 39x58 mm with reinforcement of 1.5 mm thickness. Glazing bead for fixing of glass shall be of size 20x18mm and coextruded with gasket. Windows shall be provided with 5mm plain float glass, standard hardware & single point locking system of flush lock, Wall thickness of frame & sash shall be 2-2.2mm (P.No.301, I.No.38.44.1 of PW,P&IWTD SR 2016-17)	57.60	31.20	7735.00	Sqm	241332
31	Providing and fixing flush door shutter made out of solid core black board type, well seasoned chemically treated hard wood batterns and internal frame with minimum 45 mm wide wooden frame all-round door shutters covered with cross bonded wooden shttes (core veneer) hot pressed and fastened on both sides of the door using liqid phenol formaldehyde resin as per IS specification 2202 (Part-I) 1991. From manu 35mm thick one side teak and one side commercial (P.No.62, I.No.9.106.5. of PW,P&IWTD SR 2016-17)	6.00	0.00	7644.00	Each	0

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	Description	BOQ	Executed Qty	Rate	Unit	Amount
32	Providing and fixing fixtures for door including screws etc., complete as per specifictaion and as per the direction by the engineer in charge Tower bolts 300mm	24.00	0.00	145.00	Each	0
33	Providing and fixing fixtures for door including screws etc., complete as per specifictaion and as per the direction by the engineer in charge Alluminium handles	12.00	0.00	73.00	Each	0
34	Providing and fixing fixtures for door including screws etc., complete as per specifictaion and as per the direction by the engineer in charge Aldrop	6.00	0.00	121.00	Each	0
35	Providing and fixing fixtures for door including screws etc., complete as per specifictaion and as per the direction by the engineer in charge 40mm screws	300.00	0.00	4.00	Each	0
36	Providing and fixing fixtures for door including screws etc., complete as per specifictaion and as per the direction by the engineer in charge Hinges 5" heavy	36.00	0.00	45.00	Each	0
37	Providing and fixing fixtures for door including screws etc., complete as per specifictaion and as per the direction by the engineer in charge Door Locks	6.00	0.00	495.00	Each	0
38	KSRB - 7.9: Providing and fixing M.S.grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifictions. Specification No. KBS 7.12 (P.No.32, I.No.7.9 of PW, P&IWTD SR 2016-17)	1210.00	655.20	94.00	Kgs	61589
39	Providing applying two coats of wall putty to inside plastered walls and ceiling using with cement putty. Scrapping and leveling the surface using steel blade and preparing the surface even and smooth by using different grade sand papaers, including cost of all materials, cost of labour and scaffoloding etc., complete as per the specification. (P.No.125, I.No.15.106 of PW,P&IWTD SR 2016-17)	680.00	537.29	68.00	Sqm	36536
40	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand and shade on wall surface to give an even approved shade after throughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (With primer) (P.No.117, I.No.15.51.2 of PW,P&IWTD SR 2016-17)	1316.00	537.29	120.00	Sqm	64475
41	Providing and applying painting two coats (including priming coat) on new wood surface and /or wood based with coal tar paint to give an even shade after cleaning surface of all dirt, dust and foreign matter including cost of materials, labour, complete as per specifications.	285.30	0.00	153.00	Sqm	0

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	Description	BOQ	Executed Qty		nit	Amount
42	Providing and applying polishing with French polish on new wood surface and / or wood based surface to give an even surface after cleaning the surface of all dirt, dust and foreign matter, sand papering so as to produce a smooth dry and mat surface, including cost of materials, labour, complete as per specifications.	22.40	0.00	172.00	Sqm	0
	Grand Total					8634652

Certificate:-

1. The work spot has been inspected and the work is found to be necessary
2. The estimate is prepare as per the BOQ Rates and KPWD Bangalore Circle SR 2016-17 +11.90% Tender Premium
3. The provision made in estimate are adequate and essential.
4. This area comes under the BBMP limits

Asst Engineer
Ward-17

Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike
Bangalore 560 054.

Asst Executive Engineer
Yeshwanthapura Sub Division

Modified

TECHNICAL SANCTION

Rs: 8634652/- (Rs. Eighty Six thaklhs thirty four thousand six hundred fifty two only) is accorded under the head: P-3111

By CE(R.R.N.) Page No. 84-85

Registered as CE (R.R.N) No: 312/18-19 subject to conditions contained in enclosed memo No: 312/18-19 Date. 21/02/19

TA,

CE (R.R.N.)

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